

Title (en)

ATTITUDE CONTROL DEVICE OF MOBILE ROBOT

Title (de)

LAGENSTEUERUNGSVORRICHTUNG FÜR MOBILEN ROBOTER

Title (fr)

DISPOSITIF DE COMMANDE D'ATTITUDE D'UN ROBOT MOBILE

Publication

**EP 1510302 B1 20090708 (EN)**

Application

**EP 03723148 A 20030418**

Priority

- JP 0304990 W 20030418
- JP 2002129919 A 20020501

Abstract (en)

[origin: EP1510302A1] In a posture control system of a mobile robot, when unexpected external force acts, it is configured to control to stabilize the posture of the robot driving the arm link such that, in response to a first external force that is a component in a predetermined direction of the unexpected external force, a second external force acts on the arm link in a direction orthogonal to the predetermined direction. With this, when the mobile robot is controlled to work that is likely to receive a reaction force from the object, even if the posture becomes unstable or the robot receives the unexpected reaction force acting from the object, it becomes possible to preserve the dynamic balance and to maintain a stable posture.  
<IMAGE>

IPC 8 full level

**A63H 11/18** (2006.01); **B25J 13/00** (2006.01); **B25J 5/00** (2006.01); **B62D 57/02** (2006.01); **B62D 57/032** (2006.01)

CPC (source: EP KR US)

**B25J 9/06** (2013.01 - KR); **B62D 57/02** (2013.01 - EP KR US); **B62D 57/032** (2013.01 - EP KR US); **Y10S 901/01** (2013.01 - KR)

Cited by

KR100798086B1; EP1847449A1; EP1795437A3; GB2618742A; US11982139B2; US11988059B2; US11613940B2; US11834914B2; US11891864B2; US11814911B2; US7330775B2; US11365592B1; WO2022170302A1

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